



# DATA SHEET

## 450VAC Metallized Polypropylene AC Capacitor

### Serie: I36003

Code / Range **285= 2,8 $\mu$ f**

Width **36,0 mm**

Height **29,0 mm**

Thickness **14,0 mm**

Pitch **32,5 mm**

**450VAC Metallized  
Polypropylene AC Capacitor**

Serie No.: **I36003**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	23.02.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.		1 from 5

Customer:

# EDCON-COMPONENTS



## Features

Widely applied to starting and running of AC single-phase motors at 50/60Hz frequency  
 Self-healing property  
 Extremely stable performance and reliability

## Dimensions



## Safety Approvals

	EN 60252-1 2001 A.C. motor capacitors. (1) 0,1µF ~ 9,5µF 450VAC/500VAC 50/60Hz Class C Po or 450VAC 50/60Hz Class B Po 40/70/21 or 40/85/21 Certificate No. 40004094 (2) 0,5µF~20µF 250VAC 50/0Hz Class C Po 40/70/21 or 40/85/21 Certificate No. 40023507 (3) 0,5µF~20µF 300/350VAC 50/0Hz Class C Po 40/70/21 or 40/85/21 Certificate No. 40023507
	GB/T 3667.1 2005 A.C. motor capacitors (1) 0,1µF ~ 9,5µF 450VAC/500VAC 50/60Hz Class C Po or 450VAC 50/60Hz Class B Po 40/70/21 or 40/85/21 Certificate No. CQC02002001687 (2) 0,5µF~20µF 250VAC 50/0Hz Class C Po 40/70/21 Certificate No. CQC08002024389 (3) 0,5µF~20µF 350VAC 50/0Hz Class C Po 40/85/21 Certificate No. CQC08002024390
	UL 810, CSA, C22.2 No.190 (construction only) 0,1µF ~ 9,5µF 400VAC 500VAC 50/60Hz 0,1µF ~ 20µF 250VAC 350VAC 50/60Hz Certificate No. E 256238
<b>CB Test Certificate</b>	IEC 60252-1 : 2001 (1) 0,5µF ~20µF 250VAC 50/60Hz Class C Po or 40/70/21 or 40/85/21 Certificate No. DE1-38953/M1/A1 (2) 0,5µF ~20µF 300/350VAC 50/60Hz Class C Po or 40/70/21 or 40/85/21 Certificate No. DE1-38952/M1/A1 (3) 0,1µF ~9,5µF 450/500VAC 50/60Hz Class C Po or 450VAC 50/60Hz Call B Po 40/85/21 or 40/70/21 Certificate No. DE1-42845

## Dimension table

Case Code	W ±1 (mm)	H ±1 (mm)	T ±1 (mm)	P (mm)
B	36,0	29,0	14,0	32,5

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## Specifications

Reference Standard	GB/T 3667.1 (IEC 60252-1)
Rated Voltage	500VAC 50/60Hz
Class of Operation	Class C (Class B for 450VAC)
Capacitance Range	0,1 $\mu$ ~ 9,5 $\mu$ F
Class of safety protection	Po indicated that the capacitors type has no specific failure protection
Climatic Category	40/70/21 or 40/85/21
Capacitance Tolerance	J=5% , K=10%, N=15%
Voltage proof	Between Terminals 1000VAC (2s)
Between Terminals and Case	2000VAC ( 60s)
Insulation Resistance	$\geq$ 3000s (20°C, 100V, 1Min)
Disspation Factor	$\leq$ 0,0020 ( 1KHz, 20°C)

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# EDCON-COMPONENTS



## Ordering Informations

Serie	Range	Tolerance	Voltage	Case Code	Lead Style	Lead Length	ROHS	Packing Code		
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<b>I36003</b>	<b>285</b>	<b>K</b>	<b>451</b>	<b>B</b>	<b>N</b>	<b>1</b>	<b>R</b>	<b>BU</b>		
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<b>285=</b> 2,8µf	<b>K=</b> 10%	<b>451=</b> 450VAC	<b>B=</b> look Dimension table	<b>N=</b> No function	<b>1=</b> 5,00mm	<b>R=</b> ROHS Conform	<b>BU=</b> Bulk Ware
	<b>J=</b> 5%				<b>2=</b> 7,50mm	<b>N=</b> NON ROHS Conform	
					<b>3=</b> 10,0mm		
					<b>4=</b> 12,5mm		
					<b>5=</b> 12,5mm		
					<b>6=</b> 15,0mm		

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Soldering Profile Curve

Classification Reflow Profile (JEDEC J-STD-020C)



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